2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

6.3c

1. Represent $|4|$ and $|-4|$ on the number line below.

\[\begin{array}{cccccccccccc}
& & & & & & & & & & & \\
-10 & -9 & -8 & -7 & -6 & -5 & -4 & -3 & -2 & -1 & 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 \\
\end{array}\]

2. What is the absolute value of zero? ____

Why? _____________________________________________________________

3. Identify the two true statements below.

\[
\begin{array}{ccc}
|6| = -6 & |-8| = 8 & -4 = |4| \\
|-10| = -10 & |9| = -9 & |52| = 52 \\
\end{array}
\]

4. Bunny A and Bunny B are hopping on the number line below. What point should Bunny B hop to in order to have the same absolute value as Bunny A?

Bunny B should hop to point ________.
5. Absolute value is –
   A. the distance from zero.
   B. shown with the symbols $| |$.
   C. never a negative value
   D. all of the above.

6. Which point on the number lines below represents the greatest absolute value?
   
   A. 
   B. 
   C. 
   D. 

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